

**PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

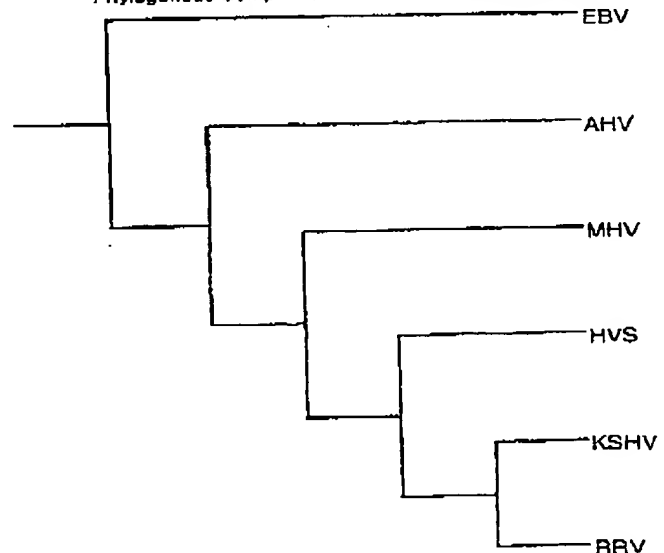
(51) International Patent Classification 7 : C12N 15/38, 7/00, 5/10, 15/00, A01K 67/027, C07K 14/03		A2	(11) International Publication Number: WO 00/28040
(21) International Application Number: PCT/US99/26260		(43) International Publication Date: 18 May 2000 (18.05.00)	
(22) International Filing Date: 5 November 1999 (05.11.99)		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).	
(30) Priority Data: 60/107,507 6 November 1998 (06.11.98) US 60/109,409 20 November 1998 (20.11.98) US			
(71) Applicant (for all designated States except US): OREGON HEALTH SCIENCES UNIVERSITY [US/US]; Office of Technology Management, 3181 S.W. Sam Jackson Park Road, L335, Portland, OR 97201-3098 (US).			
(72) Inventors; and (75) Inventors/Applicants (for US only): WONG, Scott, W. [US/US]; 7926 S.W. 167th Place, Beaverton, OR 97007 (US). AXTHELM, Michael, K. [US/US]; 1345 S.E. 35th Avenue, Hillsboro, OR 97123 (US). SEARLES, Robert, P. [US/US]; 18300 N.W. Heritage Parkway #106, Beaverton, OR 97006 (US).			
(74) Agent: NOONAN, William, D.; Klarquist, Sparkman, Campbell, Leigh & Winston, LLP, Suite 1600 - One World Trade Center, 121 S.W. Salmon Street, Portland, OR 97204 (US).		Published Without international search report and to be republished upon receipt of that report.	

(54) Title: CLONING OF RHADINOVIRUS GENOME AND METHODS FOR ITS USE

(57) Abstract

A novel rhesus macaque rhadinovirus, herein designated RRV, is disclosed. The genomic, cDNA and proteins sequences are provided. RRV has some similarity to human Kaposi's sarcoma-associated herpesvirus and causes Kaposi's sarcoma-like symptoms in immuno-compromised non-human primates. RRV possesses genes for both Interleukin-6 and macrophage inflammatory protein 1. The genome of RRV is useful for research, clinical and diagnostic applications aimed towards the rhadinoviruses and herpesviruses in general and KSHV in particular. In addition, methods for using RRV to produce a non-human primate model for the testing of Kaposi's sarcoma-associated herpesvirus therapeutics and vaccines are presented.

Phylogenetic Comparison of the Gammaherpesviruses



EBV - Epstein-Barr virus
 AHV - Alcelaphine herpesvirus
 MHV - Murine herpesvirus 68
 HVS - Herpesvirus saimiri
 KSHV - Kaposi's sarcoma-associated herpesvirus
 RRV - Rhesus rhadinovirus 17577

EXHIBIT B